	Application No.	Applicant(s)	
	10/724 720	USAMI ET AL.	AW
Notice of Allowability	10/724,739 Examiner	Art Unit	——————————————————————————————————————
	Shih-Chao Chen	2821	
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT Re of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED ir or other appropriate commu GHTS. This application is s	this application. If not included unication will be mailed in due co	urse. THIS
1. A This communication is responsive to the application filed or	n Dec. 2, 2003.		
2. ☑ The allowed claim(s) is/are <u>1-4</u> .			
3. \boxtimes The drawings filed on <u>02 December 2003</u> are accepted by	the Examiner.		
4. Acknowledgment is made of a claim for foreign priority un a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" of noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give 6. CORRECTED DRAWINGS (as "replacement sheets") must (a) including changes required by the Notice of Draftsperson 1) hereto or 2) to Paper No./Mail Date	been received. been received in Application cuments have been received of this communication to file ENT of this application. Itted. Note the attached EXA is reason(s) why the oath or it be submitted. on's Patent Drawing Review Amendment / Comment or it he header according to 37 CF is it of BIOLOGICAL MATE	n No If in this national stage application in this national stage application a reply complying with the requirement of the complete action of the drawings in the front (not the back of the complete action of the drawings in the front (not the back of the complete action of the drawings in the front (not the back of the complete action of the drawings in the front (not the back of the complete action of the drawings in the front (not the back of the complete action of the drawings in the front (not the back of the complete action of the complete action of the complete action of the drawings in the front (not the back of the complete action of the co	rements FICE OF
 Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/06 Paper No./Mail Date 12/2/03 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material 	6. ☐ Interview Si Paper No./ 8), 7. ☐ Examiner's	formal Patent Application (PTO- ummary (PTO-413), Mail Date Amendment/Comment Statement of Reasons for Allowa SHIPCHAOCHEN PRIMARY EXAMINER	ance

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DETAILED ACTION

Allowable Subject Matter

- 1. Claims 1-4 are allowed.
- 2. The following is an examiner's statement of reasons for allowance:

The primary reason for the allowance of claims 1-4 is the inclusion of the limitation of the high relative-dielectric-constant layer has a relative constant that is larger than the relative dielectric constant of the first and second skin portions and the first and second core portions. It is this limitation found in each of the claims, as it is claimed in the combination, that has not been found, taught or suggested by the prior art of record which makes these claims allowable over the prior art.

Leggett (U.S. Patent No. 4,358,772) teaches a ceramic broadband radome, comprising alternating layers of silicon nitride and fused silica, including a layer of silicon nitride at both outer and inner surfaces of the radome wall and at least one additional layer of silicon nitride within the wall. The dielectric constant of silicon nitride is 6.0 and the dielectric constant of silica is 2.1. However, Leggett does not teach or disclose the high relative-dielectric-constant layer (i.e. one additional layer) has a relative constant that is larger than the relative dielectric constant of the first and second skin portions (i.e. the layer at both outer and inner surfaces of the radome wall) and the first and second core portions (i.e. alternating layers of fused silica).

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

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accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Correspondence

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shih-Chao Chen whose telephone number is (571) 272-1819. The examiner can normally be reached on Monday-Friday from 7 AM to 4:30 PM, First Fri. off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don Wong can be reached on (571) 272-1834. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

> Shih-Chao Chen Primary Examiner Art Unit 2821

SXC July 11, 2005